```
1    MEA---EQRPAAGASEGATPGLEAVPPVAPPPAT-------------------------- hHac3.pro
1    ------------------------------------------------------------ hHac2.pro
1    MDARGGGGRPGESPGATPAPGPPPPPPAPPPGPGPAPPQHPPRAEALPPEAADEGGPRGR hHac1.pro

32   -------------------------------------------------------AASGP hHac3.pro
1    ------------------------------------------------------------ hHac2.pro
61   LRSRDSSCGRPGTPGAASTAKGSPNGECGRGEPQCSPAGPEGPARGPKVSFSCRGAASGP hHac1.pro

37   IPKSGP------------EPK-------RRHLGTLLQPTVNKFSLRVFGSHKAVEIEQE hHac3.pro
1    -------------------------------------------------------KEQE hHac2.pro
121  APGPGPAEEAGSEEAGPAGEPRGSQASFMQRQFGALLQPGVNKFSLRMFGSQKAVEREQE hHac1.pro

77   RVKSAGAWIIHPYSDFRFYWDLIMLLLMVGNLIVLPVGITFFKEENSPPWIVFNVLSDTF hHac3.pro
5    RVKTAGFWIIHPYSDFRFYWDLIMLIMMVGNLVIIPVGITFFTEQTTTPWIIFNVASDTV hHac2.pro
181  RVKSAGAWIIHPYSDFRFYWDFTMLLFMVGNLIIIPVGITFFKDETTAPWIVFNVVSDTF hHac1.pro

137  FLLDLVLNFRTGIVVEEGAEILLAPRAIRTRYLRTWFLVDLISSIPVDYIFLVVELEPRL hHac3.pro
65   FLLDLIMNFRTGIVNEDSSEIILDPKVIKMNYLKSWFVVDFISSIPVDYIFLIVEKG--M hHac2.pro
241  FLMDLVLNFRTGIVIEDNTEIILDPEKIKKKYLRTWFVVDFVSSIPVDYIFLIVEKG--I hHac1.pro

197  DAEVYKTARALRIVRFTKILSLLRLLRLSRLIRYIHQWEEIFHMTYDLASAVVRIFNLIG hHac3.pro
123  DSEVYKTARALRIVRFTKILSLLRLLRLSRLIRYIHQWEEIFHMTYDLASAVVRIFNLIG hHac2.pro
299  DSEVYKTARALRIVRFTKILSLLRLLRLSRLIRYIHQWEEIFHMTYDLASAVMRICNLIS hHac1.pro

257  MMLLLCHWDFCLQFLVPMLQDFPPDCWVSINHMVNHSWGRQYSHALFKAMSHMLCIGYGQ hHac3.pro
183  MMLLLCHWDFCLQFLVPLLQDFPPDCWVSLNEMVNDSWGKQYSYALFKAMSHMLCIGYGA hHac2.pro
359  MMLLLCHWDFCLQFLVPMLQDFPRNCWVSINGMVNHSWSELYSFALFKAMSHMLCIGYGR hHac1.pro

317  QAPVGMPDVWLTMLSMIVGATCYAMFIGHATALIQSLDSSRRQYQEKYKQVEQYMSFHKL hHac3.pro
243  QAPVSMSDLWITMLSMIVGATCYAMFVGHATALIQSLDSSRRQYQEKYKQVEQYMSFHKL hHac2.pro
419  QAPESMTDIWLTMLSMIVGATCYAMFIGHATALIQSLDSSRRQYQEKYKQVEQYMSFHKL hHac1.pro
```

FIG. 1A.

```
377 PADTRQRIHEYYEHRYQGKMFDEESILGELSEPLREEIINFTCRGLVAHMPLFAHADPSF hHac3.pro
303 PADMRQKIHDYYEHRYQGKIFDEENILNELNDPLREEIVNFNCRKLVATMPLFANADPNF hHac2.pro
479 PADFRQKIHDYYEHRYQGKMFDEDSILGELNGPLREEIVNFNCRKLVASMPLFANADPNF hHac1.pro

437 VTAVLTKLRFEVFQPGDLVVREGSVGRKMYFIZHGLLSVLARGARDTRLTDGSYFGEICL hHac3.pro
363 VTAMLSKLRFEVFQPGDYIIREGAVGKKMYFIZHGVAGVITKSSKEMKLTDGSYFGEICL hHac2.pro
539 VTAMLTKLKFEVFQPGDYIIREGTIGKKMYFIZHGVVSVLTKGNKEMKLSDGSYFGEICL hHac1.pro

497 LTRGRRTASVRADTYCRLYSLSVDHFNAVLEEFPMMRRAFETVAMDRLLRIGKKNSILQR hHac3.pro
423 LTKGRRTASVRADTYCRLYSLSVDNFNEVLEEYPMMRRAFETVAIDRLDRIGKKNSILLQ hHac2.pro
599 LTRGRRTASVRADTYCRLYSLSVDNFNEVLEEYPMMRRAFETVAIDRLDRIGKKNSILLH hHac1.pro

557 K-RSEPSPG---SSGGIMEQHLVQHDRDMARGVRGRAPSTGAQLSGKPVLWEPLVHAPLQ hHac3.pro
483 KFQKDLNTGVFNNQENEILKQIVKHDREMVQAIAPINYPQMTTLNSTSSTTTPTSRMRTQ hHac2.pro
459 KVQHDLNSGVFNNQENAIIQEIVKYDREMVQQA---ELGQRVGL---------------- hHac1.pro

613 AAAVTSNVAIALTHQRGPLPLSP-DSPATLLARSAWRSAGSPA---SPLVPVR---AGPW hHac3.pro
543 SPPVYTATSLSHSNLHSPSPSTQTPQPSAILSPCSYTTAVCSPPVQSPLAARTFHYASPT hHac2.pro
700 --------------FPPPPPPPQVTSAIATLQQAA-AMSFC-PQVARPLVGP-LALGSPR hHac1.pro

666 ASTSRLHAP-PARTLHASLSRAGRSQVSLLGPPPGGG----------------GRRLGPR hHac3.pro
603 ASQLSLMQQQPQQQVQQSQPPQRQPQQP-SPQPQTPGSSTPKNEVHKSTQALHNTNLTRE hHac2.pro
743 LVRRPPPGPAPAAASPGPPPPASPPGAPASPRAPRTSPYGGLPAAPLAGPALPARRLSRA hHac1.pro

709 GRPLSASQPSLPQRATGDGSPGRKGSGS-ERI----------PPSGLLAKPPRTAQPP-- hHac3.pro
662 VRPFSAWQPSLPHEVS--TLISRPHPTVGESLASIPQPVTAVPGTGLQAGGRSTVPQRVT hHac2.pro
803 SRPLSASQPSLPHGAPGPAASTRPASSSTPRLGPTPAARAAAPSPDRRDSASPGAAGGL- hHac1.pro

756 --RPPVPEPATPRGLQLSANM.                                        hHac3.pro
720 FFRQMSSGAIPPNRGVLPAPLPLITPHPKK                                 hHac2.pro
862 -------DPQDSARSRLSSNL.                                        hHac1.pro
```

FIG. 1B.

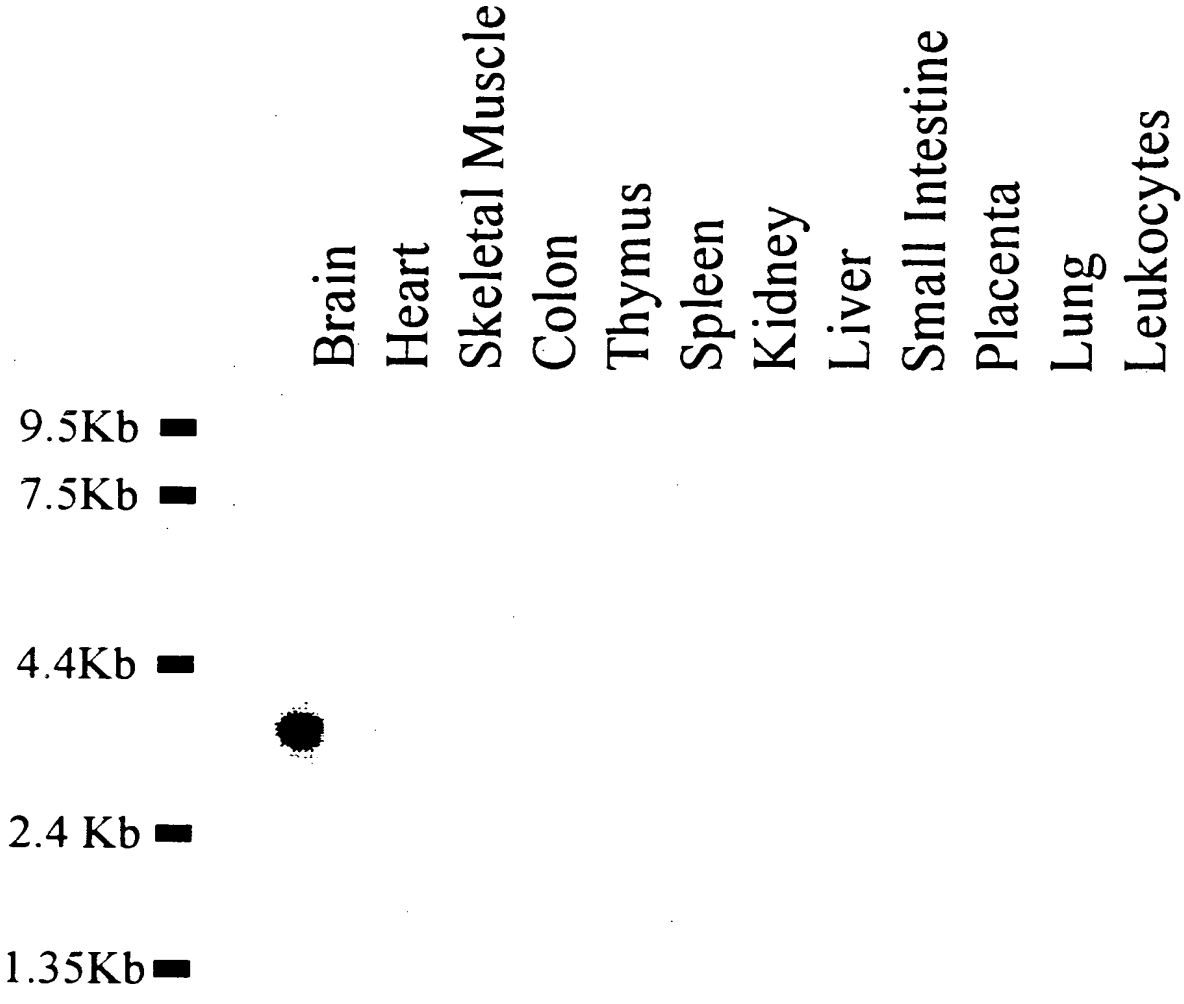
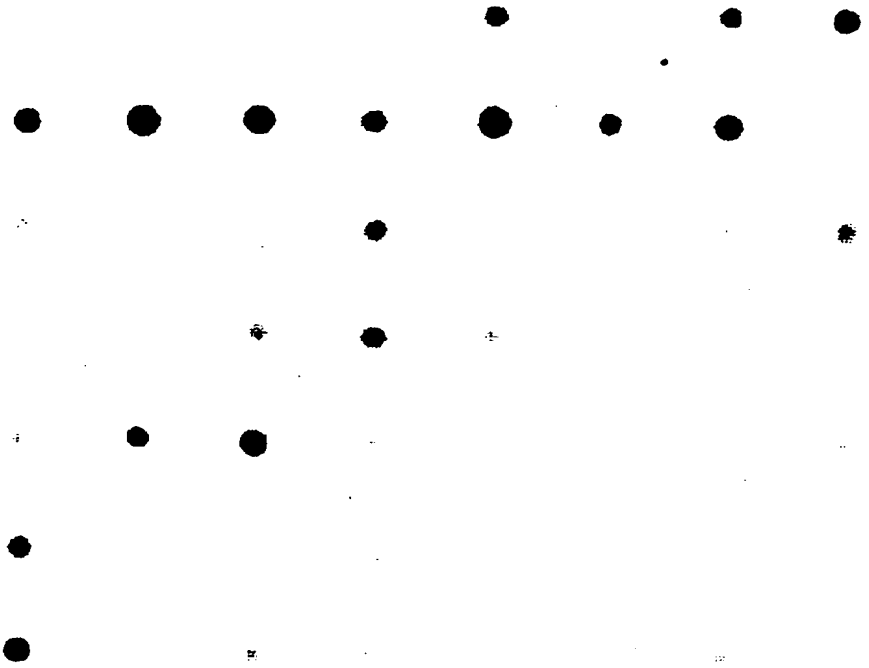

Brain
Heart
Skeletal Muscle
Colon
Thymus
Spleen
Kidney
Liver
Small Intestine
Placenta
Lung
Leukocytes
9.5Kb
7.5Kb
4.4Kb
2.4 Kb
1.35Kb

FIG. 2A.



whole brain	amygdala	caudate nucleus	cere-bellum	cerebral cortex	frontal lobe	hippo-campus	medulla oblongata
occipital lobe	putamen	substantia nigra	temporal lobe	thalamus	nucleus accumbeus	spinal cord	
heart	aorta	skeletal muscle	colon	bladder	uterus	prostate	stomach
testis	ovary	pancreas	pituitary gland	adrenal gland	thyroid gland	salivary gland	mammary gland
kidney	liver	small intestine	spleen	thymus	peripheral leukocyte	lymph node	bone marrow
appendix	lung	trachea	placenta				
fetal brain	fetal heart	fetal kidney	fetal liver	fetal spleen	fetal thymus	fetal lung	

FIG. 2B.

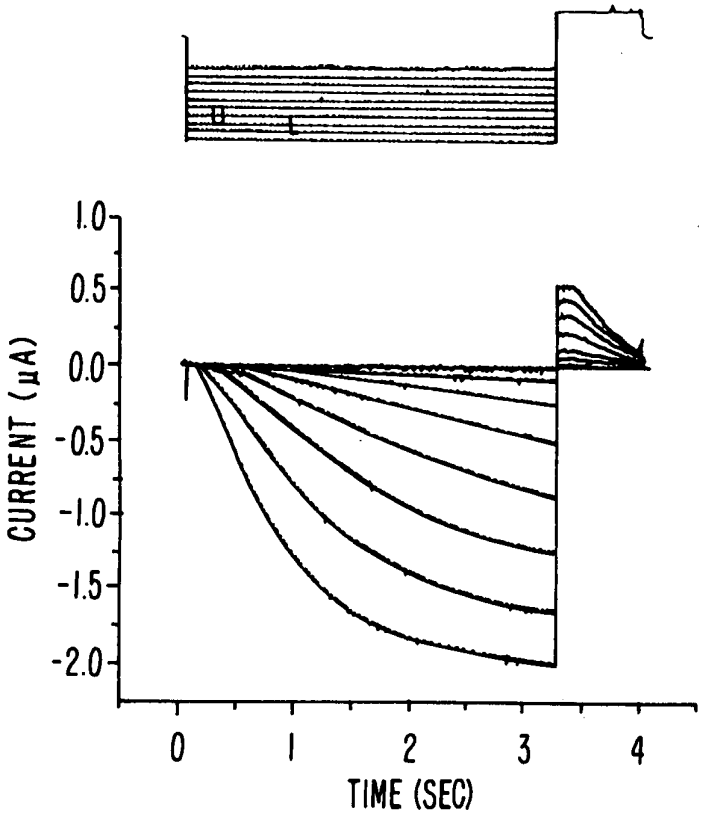

H
L
1.0
0.5
0.0
-0.5
-1.0
-1.5
-2.0
CURRENT (μA)
0
1
2
3
4
TIME (SEC)

FIG. 3A.

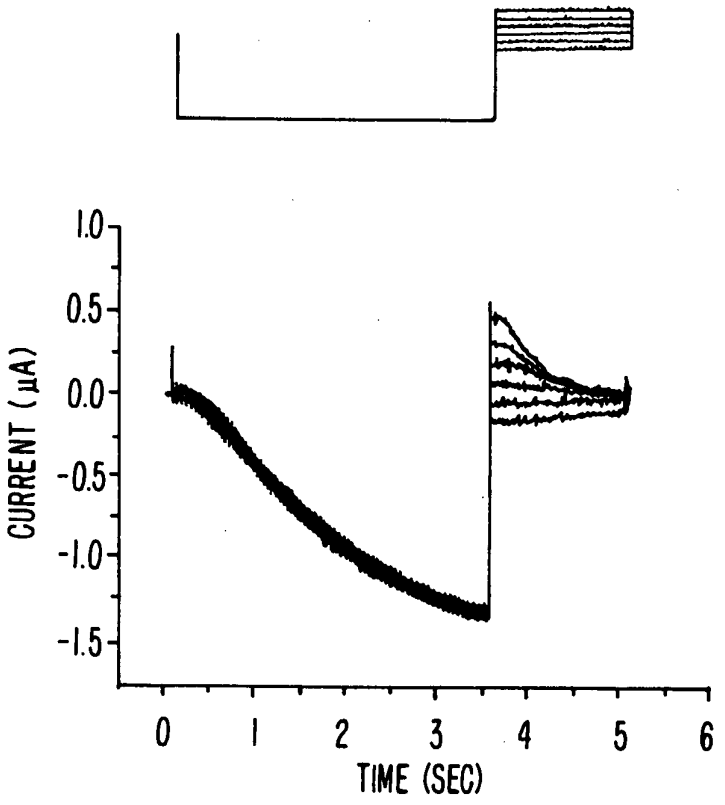

1.0
0.5
0.0
-0.5
-1.0
-1.5
CURRENT (μA)
0
1
2
3
4
5
6
TIME (SEC)

FIG. 3B.

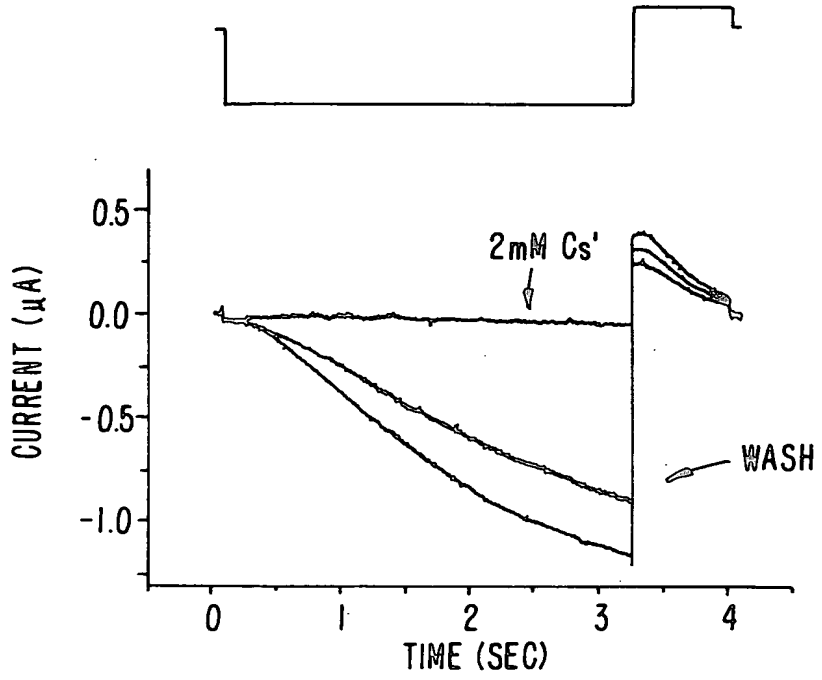


FIG. 4.